

ABSTRACT

A software design tool and visual language notation comprised of shapes, icons, text, adornments, color, and relationship graphical elements that are combined to generate enterprise drawings and blueprints. The visual language contains the semantic equivalent of nouns, verbs, and adjectives arranged dynamically to produce drawings that communicate in a consistent notation across disciplines. The tool is driven by graphics software and contains novel features including a variable attribute bracket that attaches to and moves with objects, an infinitely variably-shaped fence for grouping objects, the generation of specifications, and a variety of information and object management capacities. This tool and notation is the first uniform visual language for both business and technology, producing enterprise-wide blueprints that encompass all disciplines, concepts, and structures. Previous notations are low-level, targeted primarily to technicians, and do not capture the semantic visualizations needed to communicate to both technical and non-technical professionals, allowing commonly-held expectations.